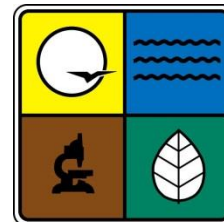


Nutrient Criteria and Lakes Used for Drinking Water

Mark Osborn

December 3, 2014

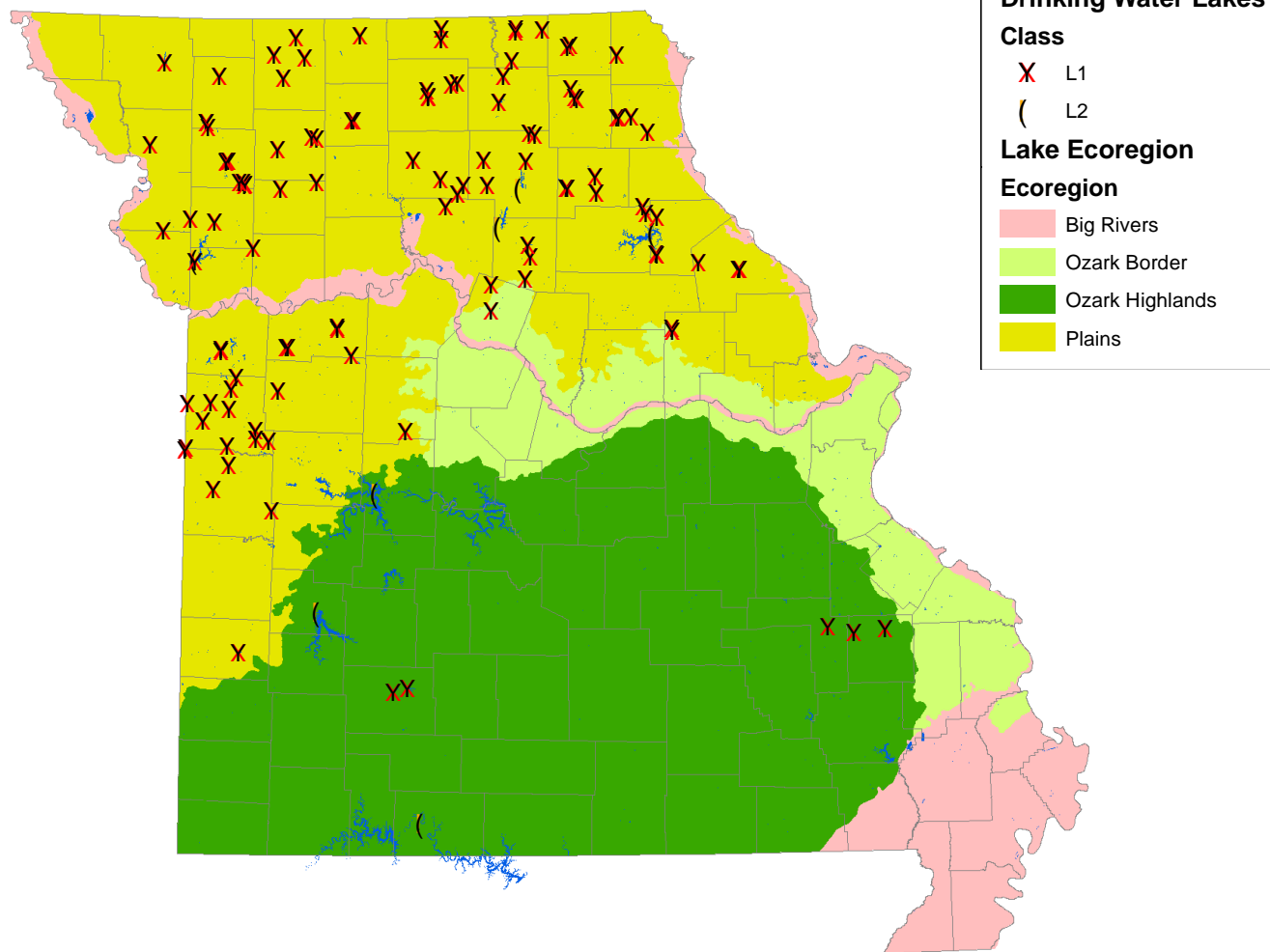


MISSOURI
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NATURAL RESOURCES

Source Water Lakes

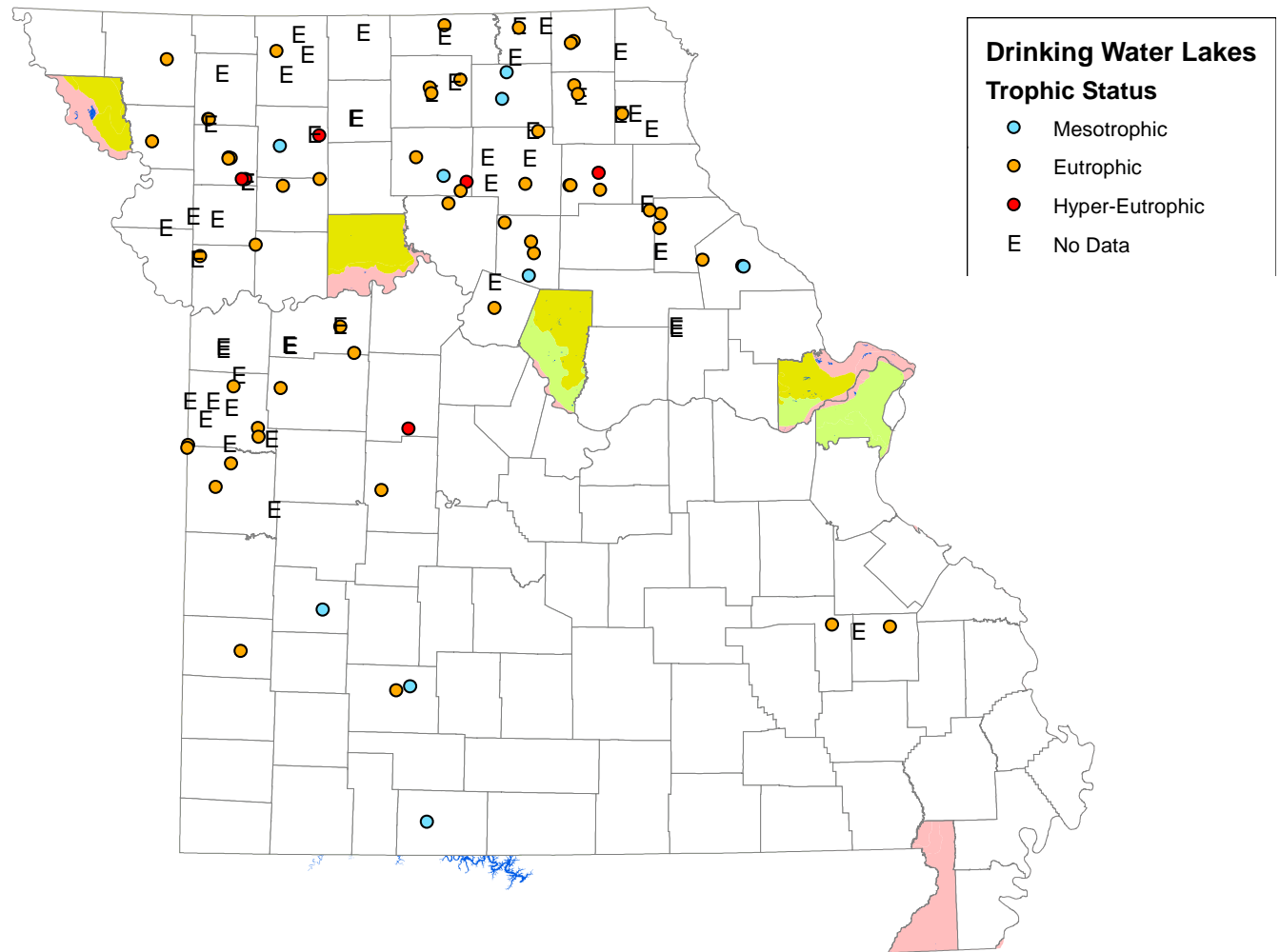
L1 (Total)	112
L1 (with WQ data)	62
L2 (with WQ data)	7

Missouri Department of Natural Resources



Missouri Department of

Natural Resources



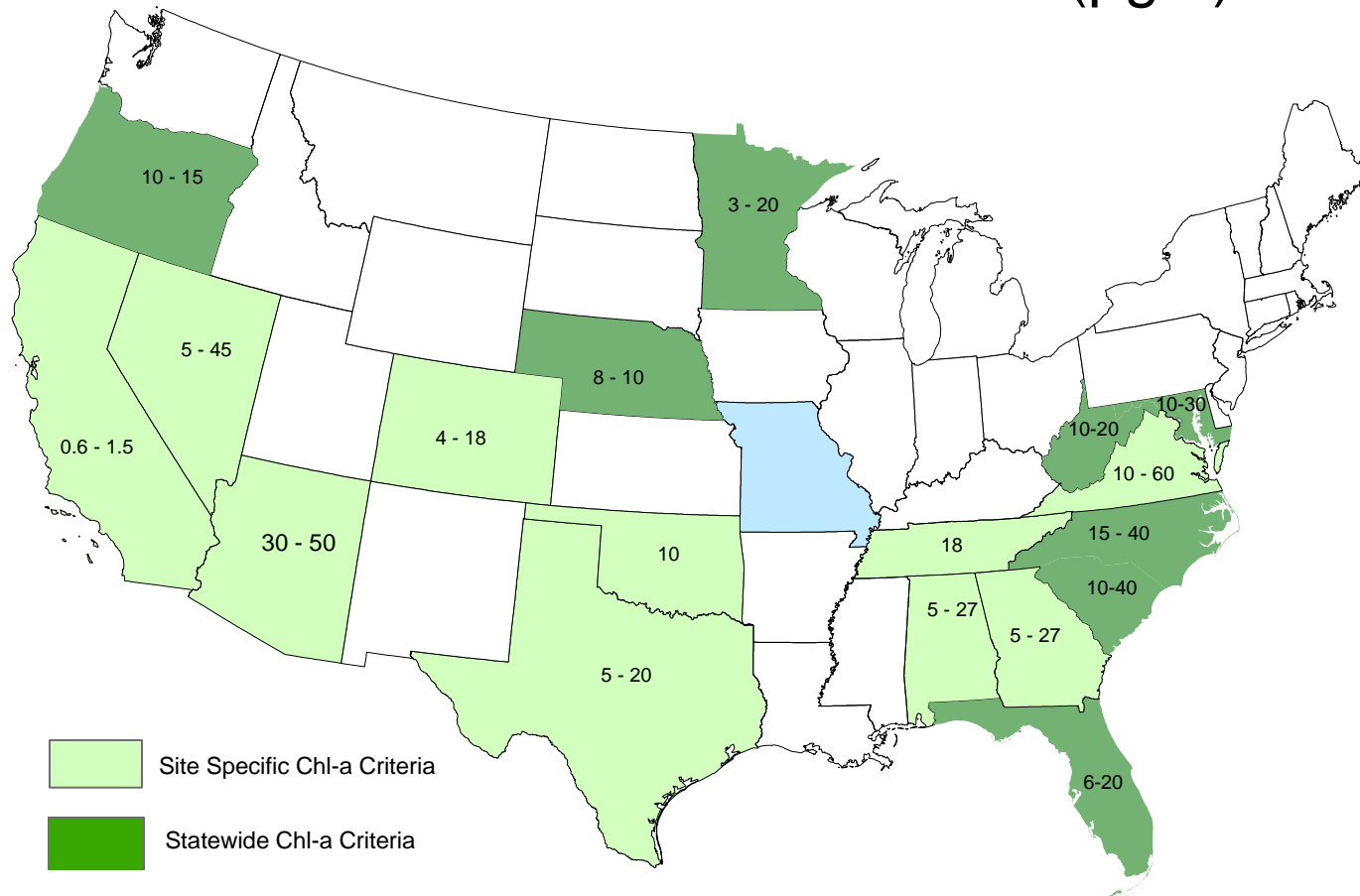
Trophic Definitions – Median Phosphorus Levels

Trophic Status	Median TP (µg/L)	Number of Lakes
Oligotrophic	<10	0
Mesotrophic	≥10 – 25	9
Eutrophic	≥25 – 100	52
Hyper-Eutrophic	≥100	8

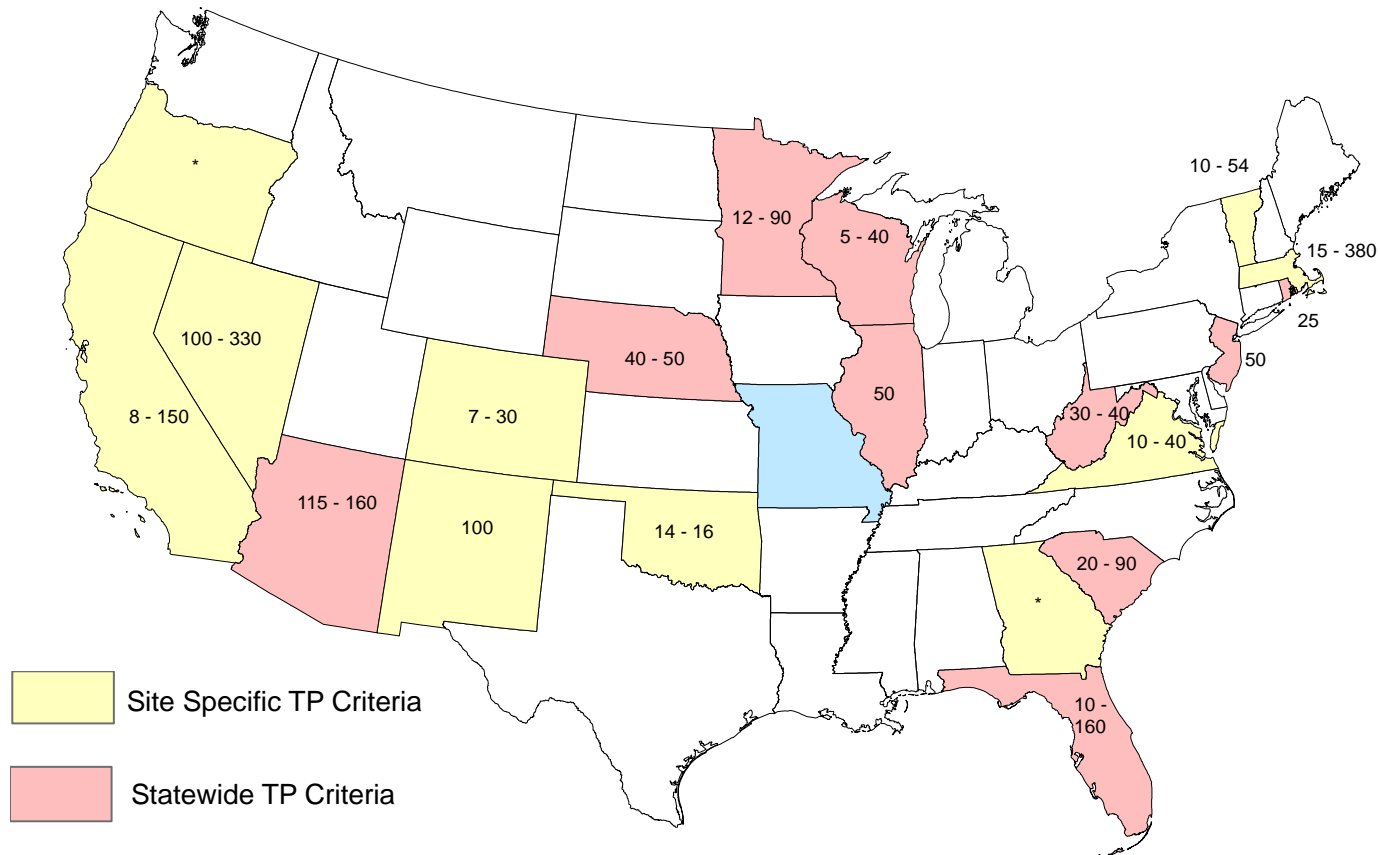
Trophic Definitions – Median Chlorophyll-a levels

Trophic Status	Median Chl-a (µg/L)	Number of Lakes
Oligotrophic	<3	0
Mesotrophic	≥3 – 9	11
Eutrophic	≥9 – 40	49
Hyper-Eutrophic	≥40	9

States with Chl-a Criteria for Lakes ($\mu\text{g/L}$)



States with TP Criteria for Lakes ($\mu\text{g/L}$)



"*" TP Criteria is Load (lbs/acre or lbs/acre-foot)

Questions?